

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/599800.app.	US-PGPUB; USPAT	OR	ON	2008/10/25 18:07
S3	204	honda.in. and speaker	US-PGPUB; USPAT	OR	ON	2008/10/25 18:07
S4	130	sano.in. and speaker	US-PGPUB; USPAT	OR	ON	2008/10/25 18:08
S5	72	yamasaki.in. and speaker	US-PGPUB; USPAT	OR	ON	2008/10/25 18:08
S6	147	kubo.in. and speaker	US-PGPUB; USPAT	OR	ON	2008/10/25 18:08
S8	20	sumiyama.in. and speaker and (masahide)	US-PGPUB; USPAT	OR	ON	2008/10/25 18:08
S9	13	kubo.in. and speaker and (kazutaka)	US-PGPUB; USPAT	OR	ON	2008/10/25 18:09
S10	15	kubo.in. and (speaker or electro) and (kazutaka)	US-PGPUB; USPAT	OR	ON	2008/10/25 18:09
S11	9	yamasaki.in. and (electro or speaker) and (kazuya)	US-PGPUB; USPAT	OR	ON	2008/10/25 18:10
S12	18	honda.in. and (electro or speaker) and (kazuki)	US-PGPUB; USPAT	OR	ON	2008/10/25 18:10
S13	31	sano.in. and (electro or speaker) and (koji)	US-PGPUB; USPAT	OR	ON	2008/10/25 18:10
S14	43	S10 or S11 or S12 or S13	US-PGPUB; USPAT	OR	ON	2008/10/25 18:11

S15	2	("6674872"   "7200241").PN. OR ("7362877").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/25 18:30
S16	3	("6594372"   "6956953").PN. OR ("7200241").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/25 18:33
S20	3	("6594372"   "6956953").PN. OR ("7200241").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/25 19:03
S21	711	381/396.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/28 15:06
S22	3	("6594372"   "6956953").PN. OR ("7200241").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/28 15:23
S23	2	("6674872"   "7200241").PN. OR ("7362877").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/28 15:25
S24	3	("6385328").PN. OR ("6674872"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/28 15:25
S28	1	"20080250315"	US-PGPUB; USPAT	OR	ON	2008/10/28 17:18
S29	3	("6038827"   "6590991").PN. OR ("6807282").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 11:51
S30	8	("5721785"   "5956622"   "6229903" "6404085").PN. OR ("6590991"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 13:13
S31	1	("5838809").PN. OR ("6553126"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 13:35
S32	11	("3609652"   "5583944").PN. OR ("5838809").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 13:39
S33	17	("2046509"   "2702895"   "2906828" "2965874"   "3110329"   "3148012").PN. OR ("3609652"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 14:12

S34	9	("1930600"   "3609652"   "4680800" "5583944"   "5838809").PN. OR ("6922477").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 14:15
S35	7	("3609652"   "5365268"   "5904589" "5928029"   "6089904"   "6238238").PN. OR ("6504940"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 14:18
S36	20	("2903516"   "3443660"   "3533054" "3609652"   "4061890"   "4158756" "4360711"   "4465905"   "4520237" "4566178"   "4590332"   "4608463" "4692942"   "4703508"   "4737992" "4752962").PN. OR ("4979220"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 14:22
S37	2	("2965874").URPN.	USPAT	OR	ON	2008/10/29 14:25
S38	6	("2702895").URPN.	USPAT	OR	ON	2008/10/29 14:27
S39	5	("2003/0044040").URPN.	USPAT	OR	ON	2008/10/29 14:32
S40	5	("20020114473"   "20030044040"   "6513623"   "6618487"   "6895099"). PN. OR ("7181040").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 14:35

S41	31	("20020114473"   "20030044040"   "20030059079"   "20030076969"   "20030086562"   "20030095680"   "5166984"   "5195142"   "5231659"   "6072887"   "6570992"   "D274429" "D274516"   "D301332"   "D320798"   "D362442"   "D376593" "D384076"   "D395898"   "D446785"   "D469071"   "D469417" "D469418").PN. OR ("D487083"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 14:37
S42	24	("20020114473"   "20030044040"   "20030059079"   "20030076969"   "20030086562"   "20030095680"   "5166984"   "5195142"   "5231659"   "6072887"   "6570992"   "D274429" "D274516"   "D301332"   "D320798"   "D362442"   "D376593" "D384076"   "D395898"   "D446785"   "D469071"   "D469417" "D469418").PN. OR ("D487455"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 14:37
S43	19	("2404877"   "4063049"   "4263484" "4295009"   "4302695"   "4594478" "4796288"   "4984268"   "5042071" "5081674"   "5155773").PN. OR ("5231659").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 14:42
S44	25	("3148249"   "3243527"   "4117275" "4130740"   "4263484"   "4424419" "4529846"   "4584702"   "4594478" "4636591").PN. OR ("4796288"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 14:46

S45	129	"20020076076"   "20020172382"   "20020172389"   "20030021432"   "20030063768"   "20030076970"   "20030081801"   "20030194103"   "20040047486"   "20040086149"   "2425481"   "2794862"   "3013127"   "3573397"   "3573400"   "3588383"   "3742156"   "3786202"   "3816671"   "3935398"   "3944756"   "3963881"   "4109116"   "4117275"   "4225755"   "4236051"   "4272654"   "4410769"   "4456796"   "4533795"   "4539441"   "4542264"   "4558184"   "4567382"   "4607145"   "4607383"   "4621171"   "4685137"   "4691363"   "4697334"   "4701640"   "4728934"   "4730283"   "4764690"   "4777650"   "4790021"   "4796288"   "4815138"   "4815560"   "4817164"   "4837833"   "4845512"   "4870688"   "4872148"   "4891843"   "4910840"   "4922471"   "4977590"   "4993072"   "5014322"   "5068901"   "5101543"   "5255246"   "5319717"   "5335210"   "5335286"   "5388163"   "5401914"   "5408534"   "5410608"   "5446413"   "5452268"   "5490220"   "5522123"   "5548658"   "5570428"   "5615273"   "5619476"   "5673330"   "5677965"   "5682075"   "5708721"   "5809155"   "5861779"   "5862239"   "5870351"   "5875251"   "5881158"   "5889872"   "5894452"   "5946403"   "5949895"   "5952645"   "5970159"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 14:52
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		"5978491"   "5982709"   "5982905"   "5990454"   "6011855"   "6031922"   "6044160"   "6078677"   "6169810"   "6178249"   "6201876"   "6243474"   "6323049"   "6366678"   "6438243"   "6504937"   "6532293"   "6549632"   "6580797"   "6594369"   "6597793"   "6606389"   "6614911"   "6647368"   "6671379"   "6677176"   "6684484"). PN. OR ("6694032"   "6704427"   "6707920"   "6950529").PN. OR ("7415121").URPN.				
S46	11	("2902668"   "3497638"   "4205205").PN. OR ("4360711"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 15:10
S47	6	("4590337"   "6038327"   "6072886" "6370257").PN. OR ("6463161"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 15:23
S48	57	("2113366"   "2144137"   "2154301" "2179686"   "3211874"   "3382575" "3431545"   "3631372"   "3697926" "3810072"   "3815077"   "4012094" "4176895"   "4230383"   "4735578" "4799891"   "4828515"   "4842556" "4857001"   "4902606"   "5002504" "5049084"   "5127849"   "5314355" "5338231"   "5520545"   "5655913" "5769673"   "5791925"   "5800184" "5800200"   "5807124"   "5876217" "5885090"   "5931689"   "5980268" "5980323"   "6007349"   "6033233" "6152789"   "6162103"   "6172594" "6231394"   "6280254"   "6302702"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 15:29

		"6305960"   "6370257"   "6463161").PN. OR ("6860766"). URPN.				
S49	1078399	381/409, "410", "394", "152", "431". ccls.	US-PGPUB; USPAT	OR	ON	2008/10/29 15:53
S51	229	381/409,410.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/29 15:53
S53	91	381/394.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/29 16:02
S54	378	381/431.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/29 16:07
S55	415	381/152.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/29 16:16
S56	405	379/433.02,433.05,438.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/29 16:17
S57	129	("20020076076"   "20020172382"   "20020172389"   "20030021432"   "20030063768"   "20030076970"   "20030081801"   "20030194103"   "20040047486"   "20040086149"   "2425481"   "2794862"   "3013127"   "3573397"   "3573400"   "3588383"   "3742156"   "3786202"   "3816671"   "3935398"   "3944756"   "3963881"   "4109116"   "4117275"   "4225755"   "4236051"   "4272654"   "4410769"   "4456796"   "4533795"   "4539441"   "4542264"   "4558184"   "4567382"   "4607145"   "4607383"   "4621171"   "4685137"   "4691363"   "4697334"   "4701640"   "4728934"   "4730283"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/29 16:49

		"4764690"   "4777650"   "4790021"   "4796288"   "4815138"   "4815560"   "4817164"   "4837833"   "4845512"   "4870688"   "4872148"   "4891843"   "4910840"   "4922471"   "4977590"   "4993072"   "5014322"   "5068901"   "5101543"   "5255246"   "5319717"   "5335210"   "5335286"   "5388163"   "5401914"   "5408534"   "5410608"   "5446413"   "5452268"   "5490220"   "5522123"   "5548658"   "5570428"   "5615273"   "5619476"   "5673330"   "5677965"   "5682075"   "5708721"   "5809155"   "5861779"   "5862239"   "5870351"   "5875251"   "5881158"   "5889872"   "5894452"   "5946403"   "5949895"   "5952645"   "5970159"   "5978491"   "5982709"   "5982905"   "5990454"   "6011855"   "6031922"   "6044160"   "6078677"   "6169810"   "6178249"   "6201876"   "6243474"   "6323049"   "6366678"   "6438243"   "6504937"   "6532293"   "6549632"   "6580797"   "6594369"   "6597793"   "6606389"   "6614911"   "6647368"   "6671379"   "6677176"   "6684484"). PN. OR ("6694032"   "6704427"   "6707920"   "6950529").PN. OR ("7415121").URPN.				
559	373	381/354.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/29 17:42



S60	9	("4420706" or "20070080412" or "20040037441" or "20060177092" or "4738625" or "20010053233" or "20010009585" or "20010028303" or "6671384").pn.	US-PGPUB; USPAT	OR	ON	2009/04/13 13:55
S63	1	("2004/0037441").URPN.	USPAT	OR	ON	2009/04/13 14:02
S64	5	("5285353"   "6374120").PN. OR ("6671384").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 14:03
S68	27	("2761076"   "3007013"   "4063049" "4273399"   "4295009").PN. OR ("4420706").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 14:05
S69	45	("3205471"   "3314040"   "3601775" "4185882"   "4554537").PN. OR ("4738625").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/13 14:05
S70	0	("2001/0009585").URPN.	USPAT	OR	ON	2009/04/13 14:05
S71	72	("4420706" or "20070080412" or "20040037441" or "20060177092" or "4738625" or "20010053233" or "20010009585" or "20010028303" or "6671384")	US-PGPUB; USPAT	OR	ON	2009/04/13 14:05
S76	1	JP2003037890A	EPO; JPO; DERWENT	OR	ON	2009/04/14 12:29
S77	2	"7200241"	USPAT	OR	ON	2009/04/14 12:31
S78	31	fukuyama.in. and \$4speaker\$4	US-PGPUB; USPAT	OR	ON	2009/04/14 12:40
S79	1	10/599800.APP.	US-PGPUB; USPAT	OR	ON	2009/04/14 13:36

S80	15	("3830988"   "4420706"   "4965483"   "5021701"   "5805423"   "5830007"   "5889873").PN. OR ("6142823").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/14 14:15
S81	1014	381/409,410,394,152,431.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/14 14:41
S82	721	381/396.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/14 14:59
S83	376	381/354.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/14 14:59
S86	2	(S81 OR S82 OR S83) AND "20081111".pd.	US-PGPUB; USPAT	OR	ON	2009/04/14 14:59
S89	221655	@pd >= "20081111"	US-PGPUB; USPAT	OR	ON	2009/04/14 15:05
S90	30	S89 and (S81 or S82 or S83)	US-PGPUB; USPAT	OR	ON	2009/04/14 15:06
S91	339	381/394,395.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/14 15:50
S92	1	"7362877".pn.	US-PGPUB; USPAT	OR	ON	2009/04/14 16:02
S93	413	379/433.02,433.05,438.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/15 15:41
S94	221655	@pd >= "20081111"	US-PGPUB; USPAT	OR	ON	2009/04/15 15:42
S95	8	379/433.02,433.05,438.ccls. and S94	US-PGPUB; USPAT	OR	ON	2009/04/15 15:42

996	129	"20020076076"   "20020172382"   "20020172389"   "20030021432"   "20030063768"   "20030076970"   "20030081801"   "20030194103"   "20040047486"   "20040086149"   "2425481"   "2794862"   "3013127"   "3573397"   "3573400"   "3588383"   "3742156"   "3786202"   "3816671"   "3935398"   "3944756"   "3963881"   "4109116"   "4117275"   "4225755"   "4236051"   "4272654"   "4410769"   "4456796"   "4533795"   "4539441"   "4542264"   "4558184"   "4567382"   "4607145"   "4607383"   "4621171"   "4685137"   "4691363"   "4697334"   "4701640"   "4728934"   "4730283"   "4764690"   "4777650"   "4790021"   "4796288"   "4815138"   "4815560"   "4817164"   "4837833"   "4845512"   "4870688"   "4872148"   "4891843"   "4910840"   "4922471"   "4977590"   "4993072"   "5014322"   "5068901"   "5101543"   "5255246"   "5319717"   "5335210"   "5335286"   "5388163"   "5401914"   "5408534"   "5410608"   "5446413"   "5452268"   "5490220"   "5522123"   "5548658"   "5570428"   "5615273"   "5619476"   "5673330"   "5677965"   "5682075"   "5708721"   "5809155"   "5861779"   "5862239"   "5870351"   "5875251"   "5881158"   "5889872"   "5894452"   "5946403"   "5949895"   "5952645"   "5970159"	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/15 16:43
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"5978491"   "5982709"   "5982905"
"5990454"   "6011855"   "6031922"
"6044160"   "6078677"   "6169810"
"6178249"   "6201876"   "6243474"
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"6504937"   "6532293"   "6549632"
"6580797"   "6594369"   "6597793"
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"6671379"   "6677176"   "6684484").
PN. OR ("6694032"   "6704427"
"6707920"   "6950529").PN. OR
("7415121").URPN.

6/20/2009 8:35:29 PM

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